

The Brown Treesnake an unwanted Invader

- BTS facts
- BTS on Guam
- BTS threat to islands throughout the Pacific





Brown Treesnake Biology



- Active at night
- Camouflaged
- Excellent climber



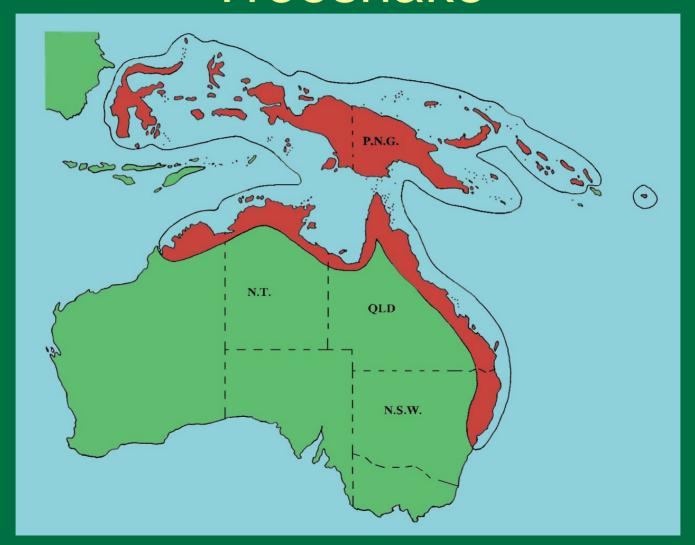
Size of Brown Treesnakes







Native Range of the Brown Treesnake





Brown Treesnake on Guam

- Arrived in 1940's
- Spread throughout Guam by 1968
- Brown Treesnake
 Control and
 Prevention programs
 on Guam began in
 1990





Potential Prey of the BTS





Effects of Brown Treesnake on Guam

- Loss of species
 - Birds (10 of 12 native forest bird species extirpated by snake)
 - Lizards
 - Small mammals

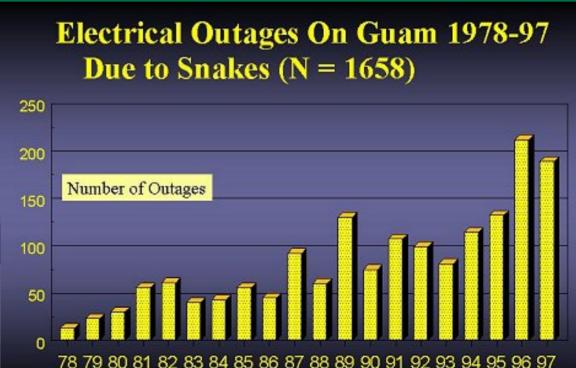




Effects of Brown Treesnake on Guam

- Loss of species
- Power outages





Year



Effects of Brown Treesnake on Guam

- Loss of species
- Power outages
- Human health risks

Overall:

Significant financial impact

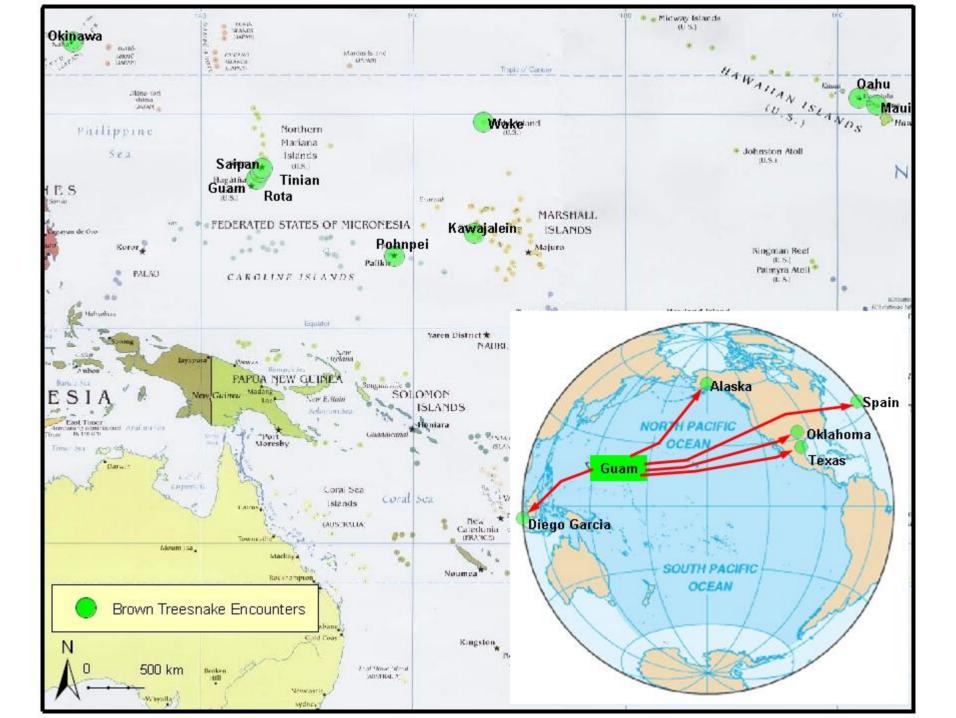
Loss of \$\$\$\$



BTS Invasion Threat to Other Pacific Islands

- Snakes widespread on Guam
- Nocturnal; agile climbers
- Seek daytime refugia (e.g. cargo, wheelwells of airplanes)
- Able to survive adverse conditions: temperature, lack of food or water





Why are Islands Invaded by BTS in Jeopardy?

- Native island species easy prey for BTS
- No predation pressure or competition for BTS
 - -Loss of native diversity and disruption of natural systems (food webs, etc.)
- Power outages, productivity lost
- Negative interactions with human populations
 - -Tourism declines and other economic losses



Preventing the Spread of the BTS

- Control on Guam (USDA)
- Interdiction on islands at risk
- Rapid Response Team (USGS)





Control: USDA-Wildlife Services



Spotlighting



K9 inspections





Interdiction: Ports at Risk

CNMI and Hawaii have active programs to inspect suspect cargo from Guam:

- Visual inspections of aircraft and containers on arrival from Guam
- BTS canine teams
- Quarantine facilities
- Detection training and response protocol

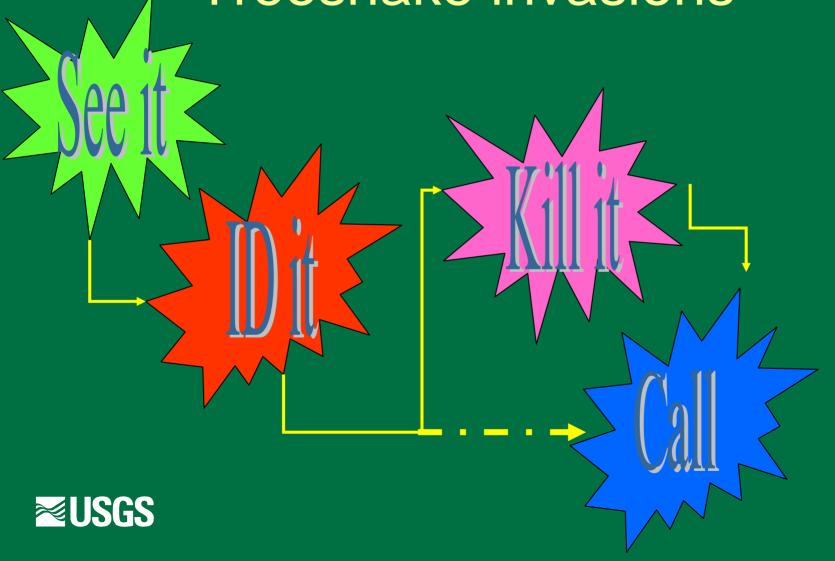


Response: USGS RRT

- Responding to BTS sightings to capture and remove snakes
- Getting locals involved in reporting BTS sightings
 - -Outreach education throughout Micronesia
 - -Workshops and training programs



Your Role in Preventing Brown Treesnake invasions







How to Kill BTS

- Hit the head with any heavy object
- Hold tail and crack head against wall or pavement
- Use machete, shovel or other sharp object to cut snake in half

KEEP ALL KILLED SNAKES FOR IDENTIFICATION



Reporting Snake Sightings

 Each island at risk has a contact person and phone number for reporting snake sightings

 The USGS hotline number is also available and you can call collect:

671-777-HISS



Micronesia Snake Sighting Official Contacts

To report snake sightings on your island, call:

- CNMI: Nate Hawley- Division of Fish and Wildlife 28-SNAKE
- Hawaii: Hawaii Pest Control Hotline 643-PEST
- Palau: Remoket Ngiriou- Division of Quarantine 777-3613
- Federated States of Micronesia:

Ishmael Lebehn- Department of Agriculture

John Wichep- Division of Quarantine

- Yap: Andrew Fagolur 350-2183
- Chuuk: Sabino Robert 330-3170
- Pohnpei: John Wichep 320-7523
- Kosrae: Palikkun Tolenna 370-2559
- Marshall Islands: Henry Capelle- Ministry of Natural Resources and Development 625-4020



When You Report a Snake Sighting, What Happens?

- If the snake is captured:
 - Officials will collect snake
- If the snake escapes:
 - Officials will interview the person who saw the snake
 - A snake sighting response is initiated







- If requested by local officials, the RRT is available to assist
- The RRT will coordinate with local contacts to search for the snake using all available tools (traps, visual searches, detector dogs and others)



What Can You Do?

- Meet with RRT representatives to discuss options for specific airports
- Arrange for yearly BTS workshops for airport personnel and associated staff
- Display RRT BTS posters at regional airports

Awareness of the threat of BTS invasion is key
Individuals who work at or around ports (air and sea)
are those most likely to encounter BTS and
therefore it is essential that these individuals are
aware of the issue and receive training on how to
respond if they do see a BTS



